

What is claimed is:

1. A waveguide type signal terminator, comprising:

a conductive housing, constructed by combining a lower conductive plate and an upper conductive plate into a single body and formed therein with a waveguide of an elongated cavity of which an entrance is opened and an exit is closed; and

a resistor sheet, formed with V-groove at a signal input side thereof and placed between the lower conductive plate and the upper conductive plate so as to divide the waveguide, in a direction of length and at a half-level of the waveguide, along a section from a position spaced a predetermined distance apart from the entrance of the waveguide to the exit of the waveguide, for terminating an input signal applied into the signal input side through the entrance of the waveguide.

2. A waveguide type signal terminator as claimed in claim 1, wherein one of the upper and lower conductive plates is formed with a resistor sheet setting groove in which the resistor sheet is placed and the other of the upper and lower conductive plates is formed with a resistor sheet holding protrusion which supports a surface of the resistor sheet.

3. A waveguide type signal terminator as claimed in claim 2, wherein the resistor sheet setting groove has a U-shape floor which is widened at a half level of height of the waveguide and surrounds a part of a lower waveguide and a portion of the elongated cavity positioned behind the resistor sheet setting groove forms the lower waveguide, and the resistor sheet holding protrusion has a form of a U-shaped protrusion, which is opposite in shape to the resistor sheet setting groove, so as to supporting one side of the resistor sheet and an upper waveguide which corresponds to an upper half of the waveguide is formed between legs of the U-shaped protrusion.

4. A waveguide type signal terminator as claimed in one of claims 1 to 3, wherein a resistance value of the resistor sheet is equal to an input impedance of the waveguide, and a length of the V-groove is equal to a wavelength-in-waveguide of an input signal frequency.

5. A waveguide type signal attenuator, comprising:

a conductive housing, constructed by combining a lower conductive plate and an upper conductive plate into a single body and formed therein with a waveguide of an elongated cavity of which an entrance and an exit are opened; and

a resistor sheet, formed with two opposite V-grooves at a signal input side and a signal output side thereof, respectively, and placed between the lower conductive plate and the upper conductive plate so as to divide the waveguide along a section between the entrance and the exit of the waveguide, in a direction of length at a half-level of the waveguide, for attenuating an input signal applied into the signal input side through the entrance of the waveguide and outputting an attenuated input signal to the signal output side.

6. A waveguide type signal attenuator as claimed in claim 5, wherein one of the upper and lower conductive plates is formed with a resistor sheet setting groove in which the resistor sheet is placed and the other of the upper and lower conductive plates is formed with 11-shaped resistor sheet holding protrusions which support both edges of a surface of the resistor sheet.

7. A waveguide type signal attenuator as claimed in claim 6, wherein the resistor sheet setting groove is formed between a signal input port and a signal output port in a direction of length and is widened in a direction of width at the half-level of the waveguide to be wider than the waveguide and a portion of the

elongated cavity positioned behind the resistor sheet setting groove forms the lower waveguide; and the resistor sheet holding protrusions comprises a pair of protrusions in which a left protrusion and a right protrusion are spaced a predetermined width apart from each other and are opposite in shape to the resistor sheet setting groove so as to support both sides of the resistor sheet and a upper waveguide which corresponds to an upper half of the waveguide is formed between legs of the legs of 11-shaped resistor sheet holding protrusions.

8. A waveguide type signal attenuator as claimed in claim 5, wherein a signal attenuation ratio of the signal attenuator is adjusted by varying a gap between the pair of V-grooves.

9. A waveguide type signal attenuator as claimed in claim 5 or 8, wherein a resistance value of the resistor sheet is equal to an input impedance of the waveguide and a length of V-groove is equal to a wavelength-in-waveguide of the input signal frequency.